

Work Order ID 91655

Thursday, October 11, 2012 10:05:01 AM

91655

Page 1

Item ID: D4677-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Wearplate, Aft

Start Date: 10/11/2012 Start Qty: 4.00

4

Cust Item ID:

Required Date: 10/18/2012 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals:

Process Plan: MKEDate: 12-10-11

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D4677

pat

2

A

M

100

0.00

100

FLOW WATER JET

Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg

Dwg Rev: AProg Rev: A

1010 . 040

2-Deburr if necessary

110

QC2- Inspect parts off machine FAI/FAIB

0.00

110

QC

Memo

0.00

Quality Control

(4)

12-10-17

(4)

12-10-17

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Page 2

Item ID: D4677-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Wearplate, Aft
Start Date: 10/11/2012 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 10/18/2012 Req'd Qty: 4.00 ***4*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC8- Inspect parts - second check Memo	0.00 0.00		Smb 12/10/17		4			
130 *130* Brake NC Brake NC	Form as per dwg Small Fab Memo	0.00 0.00				4x			12/11/02
140 *140* QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00		DAS 15 2-09 12/11/09		4			

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Start Date: 10/11/2012 Start Qty: 4.00

4

Cust Item ID:

Required Date: 10/18/2012 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

0.00

160

Powdercoat

Powder Coating

Memo

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

0.00

0.00

0.00

0.00

0.00

4X

M-L
12/11/05

170

QC3- Inspect Part Finish

0.00

170

QC

Quality Control

Memo

46

12-11-5

828

180

Identify as per dwg & Stock Location: JT

0.00

180

Packaging

Packaging

Memo

12/11/05 (4)

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Page 4

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Item Name: Wearplate, Aft

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Start Date: 10/11/2012 Start Qty: 4.00

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Cust Item ID:

Required Date: 10/18/2012 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start ***NR1***

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

190

QC21- Final Inspection - Work Order Release

0.00

190

QC

Memo

0.00

Quality Control

12/11/12
MCS 12-11-05

Picklist Print

Thursday, October 11, 2012 10:05:00 AM

Page 1

Work Order ID: 91655

Parent Item: D4677-1

Parent Item Name: Wearplate, Aft

Start Date: 10/11/2012

Required Date: 10/18/2012

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP REV:A 12.07.04 NEW ISSUE DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M1010S20GA 1010/1025 SHEET		Purchased	No			100	sf	166.3000	1.113	4.6863158			

B12-10-17

Location

Loc Qty

Loc Code

MAT019

166.3

111410

26.9

116791

41.17

121780

98.23

121780

(4)

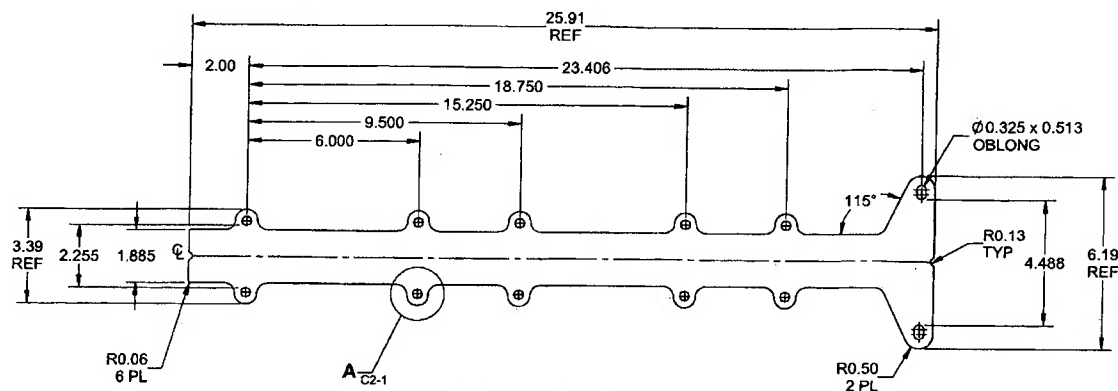
NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

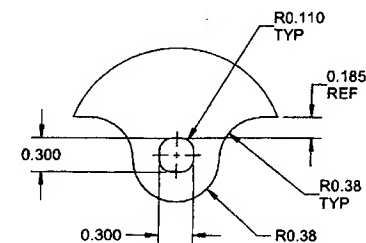
Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other		



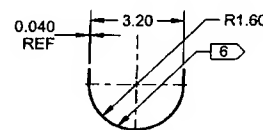
D4677-1F FLAT PATTERN



D4677-1 AFT WEARPLATE



DETAIL A
SCALE 4X



91655

RELEASED
2012-10-10
MP

NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL, 20 GAUGE, 0.040 THICK REF
REF DART SPEC M1010-S20GA
- 2) FINISH: POWDER COAT "GREY SANDEXT" (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4677-1" AND B/N "BXXXXX" PER DART QSI 044 6.1 (FINE POINT PAINT MARKER)
- 7) WEIGHT: 0.67 lbs
- 8) SYMMETRY: ABOUT C

A NEW ISSUE		MB	12.06.29
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	12.06.29		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D4677	REV. A
TITLE WEARPLATE	SHEET 1 OF 1
	SCALE NTS

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DART AEROSPACE LTD		Work Order: 91658
Description: WEAP. PLATE AFT		Part Number: D4677-1
Inspection Dwg: D4677-1 Rev: A		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
.300	$\pm .010$.306	✓		V BoL	
.300	$\pm .010$.303	✓		V	
1.885	$\pm .010$	1.892	✓		V	
2.255	$\pm .010$	2.247	✓		V	
3.349	$\pm .030$	3.371	✓		V	
2.00	$\pm .030$	2.001	✓		V	
6.006	$\pm .010$	6.006	✓		V	
9.500	$\pm .010$	9.500	✓		T (BoL)	
15.250	$\pm .010$	15.256	✓		T	
18.750	$\pm .010$	18.750	✓		T	
23.406	$\pm .010$	23.406	✓		T	
4.488	$\pm .010$	4.482	✓		V	
6.19	$\pm .030$	6.186	✓		V	
.040	$\pm .010$.037	✓		V	
Ø 325X513	+ .008 - .001	326X516	✓		V	

Measured by: RB	Audited by: SMB	Preliminary Approval:
Date: 12-10-17	Date: 12/10/17	Date:

Rev	Date	Change	Revised by	Approved
E	10.04.14	Added preliminary approval	KJ	

10.04.15

